

Special Programs

Administration

400 Seventh St., S.W. Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE NUMBER USA/0659/S, REVISION 0

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency and the United States of America for the transport of radioactive materials.

- 1. Source Identification AEA Technology QSA, Inc. Model X.20.
- 2. <u>Source Description</u> Annular double encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate exterior dimensions are 33.5 mm (1.32 in.) in diameter and 19.4 mm (0.76 in.) in length. Minimum wall thickness of the outer encapsulation is 0.5 mm (0.02 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA11120, Rev. A (2 pages).
- 3. Radioactive Contents No more than 74.0 GBq (2.0 Ci) of Americium-241. The Am-241 is in the form of an oxide mixed with a Beryllium powder and pressed into a solid pellet.
- 4. Quality Assurance Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
- 5. Expiration Date This certificate expires December 31, 2008.

^{1 &}quot;Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated November 21, 2003 submitted by AEA Technology QSA, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Robert A. McGyare

Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.

DEC 12 2003

(DATE)

QTY	T-	-	-	1	·	1	A/R	A/R	-		
Material	.STL.	STAIN.STL.	STAIN.STL.	STAIN.STL.	STAIN.STL.	STAIN.STL.				DESCRIPTIVE DRAWING	IF ASSEMBIY
Description	OUTER SHEATH	INNER SHEATH	CELL OUTER	CELL INNER	END RING	PACKING RING	ACTIVE MATERIAL	CERAMIC FIBER (OPTIONAL)	XAM 4.er	AEA TECHNOLOGY) OSA 40 NORTH AVE, BURLINGTON, IM 01803	TILE XOU CAPSULE
Item	-	2	3	4	5	9	7	80	33.5 MAX. 26 MIN.	नि व	
									ø 33 DETAIL-A	VALS 21 NWO	TERES ATED TOLERANC
				•						R. Mynnam	DIMENSIONS IN MILLIMETERES UNLESS OTHERWISE STATED TOLERANCES:
				•			☐ TIG OR LASER	WELD	5 3 6 1 OR LASER WELD SCALE 4/1		

REV A

WG. NO. RBA11120 scale: NONE SHEET 1 OF 2

SIZE DWG. NO.

INTERNAL NZ

X ±0.5 X.X ±0.1 X.XX ±0.05 ANGULAR ±5*

721

ERF #

